Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

SBR00-315/14-15

No. ***First & Final*** (For Other Works) Date 28-2-2015

Division: **BBMP, Byataranyanapura** Sub-Division: **BBMP, Vidyaranyapura**

Bill Received No. Dated Divisional / Sub Divisional Cash Book Voucher No…….. Dated…….

Schedule Docket No. Head of Account: **P-1771** **Work Code: 010-15-000045** **Est.Cost: 15.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate: **Construction of Toilet Blocks at Burial Ground opp Reliance Fresh and Demolision of old school Building at Ramachandrapura in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.**

Name of Contractor and Full Address: ***Sri. K. Shankar Reddy, # 3, 1st Cross, 1st Main, Ramachandrappa Layout, Veerannapalya, Bangalore – 560 045.***

Reference to Agreement No. **EE/BTP/BBMP/E-PMT/07(13890)/WO/239/2014-15** **Dated: 24.01.2015**

Certified that the measurements were taken by me on 28/2/2015 and recorded of **Pages** 25 1001 **to** 25/022 of measurement Book No. 2511 and that the work is satisfactorily executed.

K. Sankar Reddy
Contractor

Jadhav
Officer-in-charge of work

28/2

Certified that the measurement were taken by me on ……and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	
2)	Deduct amount to be held in reserve being ……percent Rs……	
3)	" Balance	
4)	Deduct Payment:	
	a. Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No…….. Amount adjusted towards cash advance recovery of	1st & Final Bill 1469090=00
	b. Payments Now made: cost store or other material supplied.	IT 14691=00
	recovery of amount creditable to this/other work	VAT 58764=00
	Amount paid on this bill Cheque / Cash.	PSD 88145=00
		LWF 14691=00
		LSF 1469=00
		Roy 6713=00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments.	Retention deduction 184473=00
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	By cheque 12,84,617=00

Contractor's Signature

K. Sankar Reddy

Received Rs…….. (in words)……

……

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) (For use in the Office)

Witness
1.
2.

Dated Signature of Contractor

Paid by me by Cheque No……Dated……

Cash Rs……..

Dated……

Stamp

1469090=00

184473=00

12,84,617=00

Initials of Officer making payment

Executive Engineer

26/2

Sl. No.		Unit
1	Earth work in surface excavation in **Ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road, drains and trenches of pipes lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m excavated surface levelled and neatly dressed earth to be levelled after breaking of clods and neatly dressed etc complete as per specifications and directions of engineer in charge of the work.	Cum
2	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods etc complete as per specifications and directions of engineer in charge of the work.	Cum
3	Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum
4	Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum
5	Providing and constructing granite / trap / basalt size stone masonry in **basement** with **cement mortar 1:6**, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum
6	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour etc complete as per specifications and directions of engineer in charge of the work.	Cum
7	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm
8	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of **class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure** including cost of materials, labour charges, scaffolding, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum
9	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum
10	Providing and laying in position reinforced cement concrete ofmix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplastisiser @ 0.225lts,machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, etc complete as per specifications and directions of engineer in charge of the work.	Sqm
11	Providing **mild steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery etc complete as per specifications and directions of engineer in charge of the work.	Qntl
12	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement	Sqm

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	16.50	144.16	2378.64	16.50	2378.64	
-	-	57.85	259.70	15023.65	57.85	15023.65	
-	-	7.67	4757.28	36488.34	7.67	36488.34	
-	-	17.28	3610.36	62387.02	17.28	62387.02	
-	-	7.99	4458.36	35622.30	7.99	35622.30	
-	-	57.85	116.60	6745.31	57.85	6745.31	
-	-	18.80	91.16	1713.81	18.80	1713.81	
-	-	27.51	6346.22	174584.51	27.51	174584.51	
-	-	25.99	5952.96	154717.43	25.99	154717.43	
-	-	2.70	449.44	1213.49	2.70	1213.49	
-	-	32.51	7828.10	254491.53	32.51	254491.53	
-	-	43.24	859.66	37171.70	43.24	37171.70	

Sl. No.		Unit
13	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm
14	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing **(Inside wall)** etc complete as per specifications and directions of engineer in charge of the work.	Sqm
15	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm
16	KSRB 15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing **(Out side Wall)** etc complete as per specifications and directions of engineer in charge of the work.	Sqm
17	Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum
18	Providing Ceramic tiles of size 15 x 15 cms 6mm thick approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, etc complete as per specifications and directions of engineer in charge of the work.	Sqm
19	Providing skirting, dado, rises of steps with Colour glazed tiles 15x15 cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, etc complete as per specifications and directions of engineer in charge of the work.	Sqm
20	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs**, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm
21	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm
22	Providing and **removing centering, shuttering, strutting, propping etc.,** and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm
23	Supply and fixing pressed steel door frames size 125x65 mm manufacture from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and sutters made out of seasoned honne wood, styles of 30mm, thick with lock rail of 160mm, width, top and side rails of 100mm, width width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be not proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years, this shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting wit enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc, complete the hollow portion of the frame to be filled with cement concrete1:2:4.etc complete as per specifications	Sqm
24	Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using four track window frame of size 122.2x31.75mm for bottom section 1.1mm thick, weight 1.205kg/m; sides and top section 1.2mm. thick weight 1.093mmkg/m; shutter section comprising top and bottom section of size 40mmx18mm wall thickness 1.25mm. weight 0.417kg/m, shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417kg/m,shutter interlock section 40mmx26.7mm. wall thickness 1.1mm.weight 0.469kg/m; shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc ; providing and fixing 5.5mm, thick plain glass for shutters fitted with rubber beading all aluminium section anodised 12 to 15 microns,thick including cutting to required length, joints mitred subdividing the frame tenonned and riveted in the assembled frame stiffened with end clops at corners angles etc., and fixed to the walls, lintels, floor beams/cills as	Sqm
25	Providing & fixing factory made PVC Door frame of size 50x47 mm with a wall thickness of 5mm, made out of extruded 7mm rigid PVC foam sheet metered cut at corners & jointed 2No.s of 150mm long brackets of 15x15 mm M.S. Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufactures **SOLID PVC DOOR FRAME** etc complete as per specifications and directions of engineer in charge of the work.	Sqm

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	22.44	183.38	4115.05	22.44	4115.05	
-	-	95.01	222.60	21149.23	95.01	21149.23	
-	-	117.45	21.20	2489.94	117.45	2489.94	
-	-	113.78	185.50	21106.19	113.78	21106.19	
-	-	3.12	4757.28	14842.71	3.12	14842.71	
-	-	27.30	888.28	24250.04	27.30	24250.04	
-	-	68.08	998.52	67979.24	68.08	67979.24	
-	-	41.40	561.80	23258.52	41.40	23258.52	
-	-	2.70	265.00	715.50	2.70	715.50	
-	-	57.47	232.14	13341.09	57.47	13341.09	
-	-	3.78	3710.00	14023.80	3.78	14023.80	
-	-	3.24	3561.60	11539.58	3.24	11539.58	
-	-	9.45	550.14	5198.82	9.45	5198.82	

Sl. No.		Unit
26	SOLID PANEL PVC DOOR SHUTTER Providing and fixing 30 mm thick factorily made rigid foam panelled door shutters made from M.S Tuvbe of 19 gauge thickeness size 19x19 mm tro styles and 15x15mm for top and bottom rails, coverted with heat moulded PVC channel of 5 mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rails & bottom rail panelling of 5 mm thick 20mm wide PVC sheet fittled in te M.S Frame sealed to the styless & rails with 5 x 30mm PVC sheet beading on ewither sides & joined together with solvent cement adhesive etc., complete as per manufactures specification & direction of Engineer - in charge fixed to frames with 3 nos, of 75mm Aluminium hinges etc complete as per specifications and directions of engineer in charge of the work.	Sqm
27	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, etc complete as per specifications and directions of engineer in charge of the work.	Sqm
28	Providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, **with Primer** etc complete as per specifications and directions of engineer in charge of the work.	Cum
29	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled materials, disposal of unserviceable material and stacking the serviceable material with all lifts and lead and lead of 10000 meters complete as per specifications. - c. prestressed / reinforced cement concrete grade M-20 & above, etc complete as per specifications and directions of engineer in charge of the work.	Cum
30	Providing and fixing white vitreous china clay, water closets Orissa pattern of size 580 x 440mm with integral type footrests, 100m S or P trap, 10 litre low level, P. V. C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Pan
31	Providing and fixing white vitreous china clay, wall corner type lipped front urinal basin of size 340x410x265mm with 5 liters PVC automatic flushing cistern C.I./M.S. brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fitting and brackets cutting and making good the wall and floor wherever required including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Unit
32	Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 liters PVC automatic flushing cistern C.I./M.S. brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fitting and brackets cutting and making good the wall and floor wherever required including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Unit
33	Providing and fixing white vitreous china clay, flat back wash basin of size 630x450mm with pair of 15mm C.P brass pillar taps with C.I./M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fitting and brackets ,cutting and making good the wall and floor wherever required, including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Unit
34	Providing and fixing to wall, ceiling and floor, low density poluethylene pipes kgs/sq.cm working pressure **32mm** outside diameter, compression type fittings, wall clips, making good the wall ceiling and floor cost of materials, labour charges HOM of equipments and testing exeluding cost of fittings,etc complete as per specifications and directions of engineer in charge of the work.	Rmtr
35	Supppying water storage tanks made of virgin polymer (LLDPE) with two layers outer black of blue and inner white layer of approved quality and make, conforming to ISI / ISO / SSI etc complete as per specifications and directions of engineer in charge of the work.	L
36	Providing and fixing in position brass bib cock of approved quality 25 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads etc complete as per specifications and directions of engineer in charge of the work.	Each
37	Providing and fixing in wall surface 4 kg/sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes bends and offsets fixed with iron clamps, walls plugs, screws, including cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the	m
38	**Groove Cutting :** Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary **19/20 mm dia 2mm thick** etc complete as per specifications and directions of engineer in charge of the work.	Mtrs
39	25 mm dia 2mm thick	

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	9.45	3357.02	31723.84	9.45	31723.84	
-	-	117.45	65.72	7718.81	117.45	7718.81	
-	-	113.78	79.50	9045.51	113.78	9045.51	
-	-	270.99	954.72	258719.57	270.99	258719.57	
-	-	6.00	4523.02	27138.12	6.00	27138.12	
-	-	4.00	2888.50	11554.00	4.00	11554.00	
-	-	4.00	4177.46	16709.84	4.00	16709.84	
-	-	4.00	3871.12	15484.48	4.00	15484.48	
-	-	50.00	152.39	7619.50	50.00	7619.50	
-	-	1000	6.36	6360.00	1000.00	6360.00	
-	-	25	192.44	4811.00	25.00	4811.00	
-	-	18.00	449.44	8089.92	18.00	8089.92	
-	-	25.00	43.00	1075.00	25.00	1075.00	
-	-	20.00	53.00	1060.00	20.00	1060.00	

Sl. No.		Unit
40	Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work **10"X7"X3" (300X228X76mm)** etc complete as per specifications and directions of engineer in charge of the work.	Each
41	8"X6"X3" (300X228X76mm)	
42	Supplying and fixing PVC/metal conduit accessories special type Junction Box **32 mm Junction Box** etc complete as per specifications and directions of engineer in charge of the work.	Each
43	Deep 32 mm Junction Box	
44	Fan Box 18 /SWG	
45	Point Wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using Copper PVC insulated multi strand 2x1.5 Sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet gang box the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block complete for each outlet **Point Wiring using Class A Materials a) Short point upto 3Mtr from tapping point to out let via switch** etc complete as per specifications and directions of engineer in charge of the work.	Each
46	b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch	
47	C) Long point above 6mtrs upto 10mtrs from tapping point to outlet via switch	
48	Supplying and fixing superior quality modula switch mounting polyorbonate plate with cecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box **1 to 3 Modular** etc complete as per specifications and directions of engineer in charge of the work.	Each
49	4 Modular	
50	6 Modular	
51	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate **6Amps one way** etc complete as per specifications and directions of engineer in charge of the work.	Each
52	6Amps 3way Socket.	
53	16 Amps one way switch	
54	6/16 Amps univesla Socket	
55	Wiring for lighting power curcuit using one of PVC insluated 1100v grade multistrand copper conductor single core cable in open or concealed system of wiring **1.5 Sqmm** etc complete as per specifications and directions of engineer in charge of the work.	Mtrs
56	2.5 Sqmm	
57	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps etc complete as per specifications and directions of engineer in charge of the work.	No
58	Extra for supplying 4mm thick white plastic plate and convering for juncrtion boxese or size 80mm conduit using necessary machine screws **8mm** etc complete as per specifications and directions of engineer in charge of the work.	No
59	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulatoirs etc and fixing on existing wooden or metal box using NF screws etc complete as per specifications and directions of engineer in charge of the work.	Sqc m
60	Supply patty type fluorescent tube light fitting of 4' - 36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking, locking type brass contact holder mounted on double fold type sheet base fully wired for used on 230 Volts A C Supply including fluouresecent tube **Group 'A'** etc complete as per specifications and directions of engineer in charge of the work.	Each
61	Supplying of Incandescent lamps **B.C. 100Watts** etc complete as per specifications and directions of engineer in charge of the work.	
62	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system KPWD SR 2007-08 (P-23, I-23) Regulator Model (Khaitan, Crompton Geaves, Orient, Polar, Bajaj, Usha, Havells, Almonard **Regular Model** etc complete as per specifications and directions of engineer in charge of the work.	Each
63	Supplying and fixing superior quality modula switch mounting polyorbonate plate with ncecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box (P-7, I-17) 1 to 3 Modular etc complete as per specifications and directions of engineer in charge of the work.	Each
64	8 Modular	
65	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate 6Amps one way etc complete as per specifications and directions of engineer in charge of the work.	Each
66	6Amps 3way Socket.	

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	2	68.00	136.00	2.00	136.00	
-	-	3	52.00	156.00	3.00	156.00	
-	-	3	29.00	87.00	3.00	87.00	
-	-	2	33.00	66.00	2.00	66.00	
-	-	5	57.00	285.00	5.00	285.00	
-	-	5.00	175.00	875.00	5.00	875.00	
-	-	2.00	260.00	520.00	2.00	520.00	
-	-	3.00	368.00	1104.00	3.00	1104.00	
-	-	2.00	82.00	164.00	2.00	164.00	
-	-	4.00	100.00	400.00	4.00	400.00	
-	-	2.00	125.00	250.00	2.00	250.00	
-	-	10.00	96.00	960.00	10.00	960.00	
-	-	5.00	165.00	825.00	5.00	825.00	
-	-	1.00	132.00	132.00	1.00	132.00	
-	-	2.00	205.00	410.00	2.00	410.00	
-	-	25.00	150.00	3750.00	25.00	3750.00	
-	-	50.00	25.00	1250.00	50.00	1250.00	
-	-	6.00	60.00	360.00	6.00	360.00	
-	-	2.00	6.48	12.96	2.00	12.96	
-	-	2500.00	0.22	550.00	2500.00	550.00	
-	-	3.00	675.00	2025.00	3.00	2025.00	
-	-	3.00	14.00	42.00	3.00	42.00	
-	-	1.00	1800.00	1800.00	1.00	1800.00	
-	-	2.00	82.00	164.00	2.00	164.00	
-	-	2.00	175.00	350.00	2.00	350.00	
-	-	2.00	96.00	192.00	2.00	192.00	
-	-	1.00	165.00	165.00	1.00	165.00	

Sl. No.		Unit
67	Supplying and fixing 32Amps security and energy savings DP switch with key tag suitable to operate on 230 Volts 50Hz AC supply & completely wired on existing box **Group A** etc complete as per specifications and directions of engineer in charge of the work.	Each
68	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps etc complete as per specifications and directions of engineer in charge of the work.	No
69	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required **5-32 Amps SP** etc complete as per specifications and directions of engineer in charge of the work.	Each
70	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc **20"x20"x2.5"** etc complete as per specifications and directions of engineer in charge of the work.	
71	Supplying and fixing of porcelain fuse channel with cut out on existing wooden /panel using necessary nuts, bolts and washers **32 Amps** etc complete as per specifications and directions of engineer in charge of the work.	
72	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.**4 core 16 Sqmm** etc complete as per specifications and directions of engineer in charge of the work.	Mtr
73	Labour charges for laying of 1.1 K.V class UG cable **In existing trencg/duct 6Sqmm to 16 Sqmm)** etc complete as per specifications and directions of engineer in charge of the work.	Mtr
74	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc complete as per specifications and directions of engineer in charge of the work. **For Cutting Road Surface**	Mtr
75	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class **40mm dia GI pipe** etc complete as per specifications and directions of engineer in charge of the work.	Mtr
76	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers **16Sqmm** etc complete as per specifications and directions of engineer in charge of the work.	No.
77	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, etc complete as per specifications and directions of engineer in charge of the work.	No
78	1HP Submercible centrifugal force pump of approved make with all necessary fittings including wiring switch board, starter etc., and Electronic Automatic Equipment (Programmable Logic Control) etc complete as per specifications and directions of engineer in charge of the work.	LRQ
	Total	
	Third Party Inspection Charges @ 1%	
	Grand Total	

CERTIFICATE

1. Certified that the above work done satisfactory and no materials issued from departmentally.

Jadhav
AE 28/2/2015

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	1.00	630.00	630.00	1.00	630.00	
-	-	1.00	60.00	60.00	1.00	60.00	
-	-	1.00	560.00	560.00	1.00	560.00	
-	-	1.00	285.00	285.00	1.00	285.00	
-	-	1.00	100.00	100.00	1.00	100.00	
-	-	50.00	215.00	10750.00	50.00	10750.00	
-	-	50.00	11.00	550.00	50.00	550.00	
-	-	45.00	40.00	1800.00	45.00	1800.00	
-	-	10.00	240.00	2400.00	10.00	2400.00	
-	-	1.00	286.00	286.00	1.00	286.00	
-	-	1.00	3000.00	3000.00	1.00	3000.00	
-	-	1.00	18000.00	18000.00	1.00	18000.00	
				1469108.99		1469108.99	
				14691.09		14691.09	
				1483800.08		1483800.08	

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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97